

Attorney's Docket No. 5405-212IPDV

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of Needham  
Serial No.: to be assigned  
Filed: concurrently herewith  
For: *TEMPERATURE SENSITIVE LIPOSOMAL FORMULATION*

Date: February 26, 2002



BOX PATENT APPLICATION  
Commissioner for Patents  
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a list of documents on form PTO-1449. Items 1-36 listed on the PTO-1449 were cited in parent application Serial No. 09/458,484, filed December 9, 1999. Since the benefit of this application is claimed under 35 U.S.C. §120, no copies need to be furnished in accordance with 37 C.F.R. §1.98(d); however, copies will be furnished on request. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.97 and Section 609 of the MPEP. The Commissioner is hereby authorized to charge any additional fee, which may be required, or credit any refund, to our Deposit Account No. 50-0220.

Respectfully submitted,

Robert J. Smith  
Registration No. 40,820

Correspondence Address:



20792

PATENT TRADEMARK OFFICE

CERTIFICATE OF EXPRESS MAILING

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Commissioner for Patents, Washington, DC 20231.

Meredith Schuessler  
Date of signature: February 25, 2002

<b>FORM PTO-1449 U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>LIST OF DOCUMENTS CITED BY APPLICANT</b>  (Use several sheets if necessary)					Attorney Docket Number: <b>5405-212IPDV</b>		Serial No.: <b>To be assigned</b>	
					Applicants: <b>David Needham</b>			
					Filing Date <b>Concurrently herewith</b>			Group: <b>Not known</b>
U. S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate	
	1.	4,828,837	05/09/89	Uster et al.	424	450		
	2.	4,906,476	03/06/90	Radhakrishnan	424	450		
	3.	4,921,644	05/01/90	Lau et al.	264	4.1		
	4.	4,921,706	05/01/90	Roberts et al.	424	450		
	5.	5,013,556	05/07/91	Woodle	424	450		
	6.	5,077,056	12/31/91	Bally et al.	424	450		
	7.	5,080,904	01/14/92	Iga et al.	424	450		
	8.	5,094,854	03/10/92	Ogawa et al.	424	423		
	9.	5,277,913	01/11/94	Thompson et al.	424	450		
	10.	5,683,715	11/04/97	Boni et al.	424	450		
	11.	5,720,976	02/24/98	Kim et al.	424	450		
	12.	5,736,156	04/07/98	Burke	424	450		
	13.	5,755,788	05/26/98	Strauss	623	11		
	14.	5,783,566	07/21/98	Mislick	514	44		
	15.	5,810,888	09/22/98	Fenn	607	154		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes   No	
	16.	WO 92/22249	12/23/92	PCT	A61B	8/14	X	
	17.	WO 94/13265	06/23/94	PCT	A61K	9/127	X	
	18.	WO 95/08986	04/06/95	PCT	A61K	9/127	X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	19.	Devlin, B.P. et al., <i>A Kinetic Study of the Polyelectrolyte-Induced Reorganization of Lipid Bilayers</i> , <i>Am. Chem. Soc. Div. Polym. Chem.</i> Vol. 28, No. 2, (1987), pp. 50-51.						
	20.	Discher et al.; <i>Polymersomes: Tough Vesicles Made from Diblock Copolymers</i> , <i>Science</i> 284:5417 1143-1146 (1999).						

 20/92/20  
 10/083734  
 J1050 U.S. PTO

 EXAMINER  
 \*EXAMINER

DATE CONSIDERED

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449 U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>  <b>LIST OF DOCUMENTS CITED BY APPLICANT</b>  (Use several sheets if necessary)		<b>Attorney Docket Number:</b> <b>5405-212IPDV</b>	<b>Serial No.:</b> <b>To be assigned</b>
		<b>Applicants: David Needham</b>	
		<b>Filing Date</b> <b>Concurrently herewith</b>	<b>Group:</b> <b>Not known</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	21.	Gaber et al.; <i>Thermosensitive Sterically Stabilized Liposomes: Formulation and in Vitro Studies on Mechanism of Doxorubicin Release by Bovine Serum and Human Plasma</i> <u>Pharmaceutical Research</u> 12:1407-1416	
	22.	Hristova, K., et al., <i>Effect of Bilayer Composition On the Phase Behavior Liposomal Suspensions Containing Poly(ethylene glycol) Lipids</i> , <u>Macromolecules</u> , Vol. 28, No. 23 (1995) pp. 7693-7699.	
	23.	Iga et al.; <i>Heat-specific drug release of large unilamellar vesicle as hyperthermia-mediated targeting delivery</i> <u>International J. Pharmaceutics</u> 57:241-251	
	24.	Klopfenstein et al.; <i>Differential Scanning Calorimetry on Mixtures of Lecithin, Lysolecithin and Cholesterol</i> ; <u>Chemistry and Physics of Lipids</u> 13:215-222 (1974)	
	25.	Kono; <i>Temperature-sensitive liposomes: liposomes bearing poly (N-isopropylacrylamide)</i> <u>Journal of Controlled Release</u> 30; 69-75 (1994)	
	26.	Liburdy et al.; <i>Microwave-Stimulated Drug Release from Liposomes</i> <u>Radiation Research</u> 103: 266-275 (1985)	
	27.	Maruyama et al.; <i>Enhanced delivery of doxorubicin to tumor by long-circulating thermosensitive liposomes and local hyperthermia</i> <u>Biochim Biophys. Acta</u> 1149:209-216 (1993)	
	28.	Oku et al.; <i>Potential usage of thermosensitive liposomes for macromolecule delivery</i> <u>Biochim. Biophys. Acta</u> 1191:389-391 (1994)	
	29.	Tomita et al.; <i>Temperature-sensitive release of adriamycin, an amphiphilic antitumor agent, from dipalmitoylphosphatidylcholine-cholesterol liposomes</i> <u>Biochim Biophys. Acta</u> 978:185-190 (1989)	
	30.	Van Echteld et al.; <i>Differential Miscibility Properties of Various Phosphatidylcholine/Lysophosphatidylcholine Mixtures</i> <u>Biochim Biophys. Acta</u> 595:71-80 (1980)	
	31.	Weinstein et al.; <i>Liposomes and Local Hyperthermia: Selective Delivery of Methotrexate to Heated Tumors</i> <u>Science</u> 204:188-191 (April 1979)	
	32.	Weinstein et al.; <i>Phase Transition Release, A New Approach to the Interaction of Proteins with Lipid Vesicles</i> <u>Biochim Biophys. Acta</u> 647:270-284 (1981)	
	33.	Yatvin et al.; <i>Design of Liposomes for Enhanced Local Release of Drugs by Hyperthermia</i> <u>Science</u> 202:1290-1292 (December 1978)	
	34.	Yatvin et al.; <i>Selective Delivery of Liposome-associated cis-Dichlorodiammineplatinum(II) by Heat and Its Influence on Tumor Drug Uptake and Growth</i> <u>Cancer Research</u> 41:1602-1607 (May 1981)	
	35.	Bassett et al.; <i>Use of Temperature-Sensitive Liposomes in the Selective Delivery of Methotrexate and Cis-Platinum Analogues to Murine Bladder Tumor</i> <u>Journal of Urology</u> 135:612-615 (1985)	
	36.	International Search Report dated 11/24/99 for corresponding International application no. PCT/US99/12964.	

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